MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

APRIL, 1933

J. A. BROWN, DIRECTOR

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APRIL 1933
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm+...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	758.3	758.4	759.4	758.7	18.9	12.2	16.9	17.1	13.0	15.7
2	8.0	7.0	7.6	7.5	20.1	11.1	17.1	19.5	15.3	17.3
3	7.0	7.1	8.2	7.4	19.9	11.0	16.1	18.9	15.4	16.8
4	8.3	7.3	7.2	7.6	20.7	12.7	16.8	20.1	15.3	17.4
5	5.8	6.9	9.9	7.5	16.8	10.3	14.9	16.2	12.7	14.6
6	62.1	61.4	61.4	61.6	20.4	11.1	16.9	19.6	14.5	17.0
7	0.3	59.1	59.5	59.6	19.6	13.8	17.8	17.6	15.3	16.9
8	57.7	7.8	9.2	7.9	19.9	13.3	17.2	19.3	13.9	16.8
9	60.7	60.1	60.8	60.5	20.1	11.6	18.3	19.4	14.1	17.3
10	1.2	0.6	0.9	0.9	21.2	12.2	17.8	20.7	16.2	18.2
11	62.0	62.6	63.2	62.6	18.3	12.6	14.7	16.9	14.3	15.3
12	3.6	2.8	3.4	3.3	19.6	12.5	16.1	17.6	14.8	16.2
13	2.0	0.9	1.3	1.4	19.4	10.9	15.5	17.4	14.2	15.7
14	1.9	2.0	3.3	2.4	17.2	13.1	14.8	16.0	12.8	14.5
15	5.1	5.1	5.8	5.3	18.7	9.8	16.4	18.3	12.3	15.6
16	64.4	63.4	63.8	63.9	19.9	11.1	18.2	19.1	17.4	18.2
17	4.1	3.3	3.9	3.8	19.7	11.6	17.2	19.1	14.4	16.9
18	2.9	1.6	0.8	1.8	21.8	12.4	18.0	21.4	16.6	18.7
19	0.1	59.1	59.0	59.4	22.7	14.2	20.2	20.9	18.3	19.8
20	58.4	57.5	58.3	58.1	23.2	14.1	19.4	22.3	18.2	19.9
21	61.9	61.8	59.1	60.9	22.4	13.9	19.8	21.6	16.3	19.2
22	2.5	1.2	1.1	1.6	23.3	14.7	19.3	22.1	17.2	19.5
23	59.2	57.1	15.4	7.2	23.7	15.9	19.5	21.7	20.6	20.6
24	7.0	7.5	7.2	7.2	24.9	17.7	22.8	23.6	18.6	21.6
25	60.5	57.5	7.9	8.6	21.1	17.0	18.6	18.3	16.3	17.7
26	57.8	57.6	58.2	57.9	20.1	13.7	17.1	13.2	12.9	14.4
27	9.3	60.2	62.4	60.6	21.1	12.3	17.4	18.6	14.7	16.9
28	66.0	64.8	4.8	4.9	21.0	12.8	18.5	19.0	16.3	15.0
29	5.5	5.0	4.7	5.0	22.2	13.7	18.4	21.2	16.6	18.7
30	2.4	1.5	1.5	1.8	22 4	15 3	20.0	21.1	18.7	19.9
	760.84	760.27	760.64	760.56	20.64	12.95	17.72	19.27	15.57	17.51

Barometer, Range for month 755.8—765.8 m.m.
„ 50-yr. average for month 760.038 m.m.
Thermometer, Range for month 9.°8—24.°9 C.
„ 50-yr. average for month 18.°90 C.
Rain, Total for month 34.73 m.m.
„ , 50-yr average for month 55.88 m.m
„ , total Sept. 1st to end of month 384.74 m.m.
„ , 50-yr. average, Sept. 1st to end of month 881.90 m.m

APRIL 1933
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	14.7	14.5	9.2	11.0	10.7	6.9	9.5	76	74	61	70	9.0	
2	11.8	12.7	12.1	7.6	7.6	8.4	7.9	53	45	63	53	9.6	
3	13.1	14.1	12.7	9.4	9.3	9.4	9.4	70	58	72	66	8.3	
4	13.9	15.5	12.2	10.2	10.4	8.8	9.8	72	60	69	67	8.5	2.79
5	10.8	10.9	9.2	7.6	7.2	7.0	7.3	60	53	65	59	8.5	4.06
6	13.2	15.2	12.1	9.2	10.2	9.1	9.5	64	60	74	66	9.7	
7	14.5	14.7	12.6	10.3	10.7	9.3	10.1	68	72	72	70	1.0	0.51
8	13.3	14.2	10.9	9.2	9.2	8.1	8.8	63	55	69	62	10.8	
9	12.8	13.9	11.4	8.8	8.2	8.4	8.5	51	52	69	57	11.0	
10	13.4	15.8	12.7	9.0	10.5	8.9	9.5	60	57	65	61	9.9	
11	10.7	11.7	11.2	7.6	7.6	8.3	7.8	61	53	69	61	6.1	3.55
12	11.6	12.4	11.7	7.8	8.0	8.6	8.1	58	53	69	60	7.2	0.23
13	11.9	13.7	12.9	8.5	9.6	10.3	9.5	65	65	85	71	3.3	2.79
14	11.8	11.8	9.0	8.6	8.3	7.0	7.9	68	60	61	63	10.5	8.88
15	11.9	12.1	8.7	8.1	7.5	6.6	7.4	58	47	61	55	11.6	0.89
16	12.9	14.0	13.4	8.4	9.1	9.2	8.9	53	55	62	57	11.5	
17	13.8	14.7	12.7	9.7	9.9	9.9	9.8	61	66	81	69	11.6	
18	14.9	17.2	14.7	10.7	11.9	11.2	11.3	69	63	79	70	11.6	
19	17.1	17.4	15.1	12.4	12.4	10.7	11.8	70	68	69	69	9.0	
20	17.6	18.3	16.9	13.7	13.1	13.4	13.4	82	65	86	78	11.0	
21	16.4	17.1	14.6	11.8	11.7	11.3	11.6	68	60	82	70	11.1	
22	16.5	18.3	16.1	12.1	13.1	12.8	12.7	73	66	88	76	11.2	
23	17.5	18.8	17.7	13.5	14.1	13.0	13.5	80	73	72	75	8.0	
24	19.3	19.2	16.1	14.2	13.6	12.1	13.3	69	62	78	70	0.9	
25	15.8	14.7	12.7	11.5	10.3	8.9	10.2	73	66	65	68	2.6	
26	14.1	12.7	11.3	10.5	10.7	9.0	10.1	73	94	81	83	2.3	7.36
27	14.8	15.0	13.2	10.9	10.5	10.3	10.6	74	66	82	74	9.0	3.67
28	14.7	14.9	13.7	10.2	10.1	10.1	10.1	65	61	74	67	4.0	
29	14.8	16.6	14.7	10.4	11.2	11.3	10.9	66	61	81	69	7.6	
30	17 2	17.4	15.3	12.3	12 3	10.8	11 8	68	67	68	68	3.0	
	14.23	14.32	12.90	10.17	10.30	9.64	10.03	66.4	61.9	72.4	66.8	7.98	1.16

eight of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
ry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
im of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
ime of readings minus 2 hours equals G. C. T.
)-year averages are for period, 1875-1924

APRIL 1933

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1cu	2cu	2cu	1.7	1nw	2nw	0	213.2	stormy	
2	1cu	1cu	9cu	3.7	2sw	1w	3w	215.8	mod.	
3	9cu	4cu	9cu	7.3	1nw	3nw	1sw	540.6	„	
4	4cu	7cu	3cu	4.7	2w	4w	1w	683.8	„	light t s. at night
5	4cu	3cu	1cu	2.7	5sw	5w	0	965.6	rough	t.s. gale in a.m.
6	4cu	3cu	5cu	4.0	0	1w	1w	591.2	stormy	
7	8ni	10ni	10stcu	9.3	2w	0	3w	162.5	mod.	
8	1cu	2ci	0	1.0	1nw	1nw	0	207.0	„	
9	1cu	0	0	0.3	0	1nw	1n	168.9	light	
10	0	1cu	1cu	0.7	0	1w	0	405.5	calm	
11	4cu	7ni	8ni	6.3	2sw	4sw	0	770.3	rough	
12	9ni	5ci	10cu	8.0	0	0	0	844.2	mod.	
13	9ni	10stcu	7cu	8.7	2w	3sw	1sw	824.8	„	
14	10ni	8cu	2cu	6.7	1sw	2nw	0	321.9	stormy	
15	1cu	1cu	1cu	1.0	1w	2sw	0	390.9	mod.	
16	1stcu	1cu	1cu	1.0	1sw	2w	0	297.7	„	
17	1cu	0	0	0.3	1sw	1sw	0	222.1	light	
18	1st	1stcu	0	0.7	1nw	1nw	1w	211.3	slight	
19	3ci	9ci	5ci	5.7	1ne	1ne	0	144.8	„	
20	2st	7ci	0	3.0	0	0	1w	81.0	light	dew at night hz.a.m
21	1cu	1stcu	2stcu	1.3	1w	2w	0	495.4	mod.	
22	3stcu	0	1cu	1.3	1w	1w	1w	255.2	slight	
23	1stcu	5cicu	3st	3.0	1nw	1nw	0	626.1	mod.	dew at night
24	10stcu	7stcu	0	5.7	0	0	0	302.8	light	
25	9cu	10stcu	5cu	8.0	2sw	2w	1w	250.4	mod.	
26	10ni	10ni	10ni	10.0	3w	4w	2w	804.9	stormy	
27	8stcu	7stcu	10ni	8.3	1w	2w	1w	408.2	„	
28	7st	10cu	0	5.7	1s	1s	3sw	228.8	mod.	
29	4stcu	2st	1cu	2.3	1n	1n	1n	223.9	slight	
30	0	7ci	0	2.3	3ne	4ne	2ne	195.2	stormy	
					38	53	24			
				4.16	1.3	1.8	0.8	401.80		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	2	0	0	1	7	8	5	6
14:30	1	2	0	0	1	4	11	7	4
20.30	2	1	0	0	0	3	10	0	14
Totals	4	5	0	0	2	14	29	12	24

Number of days with rain 10, fog 0, thunderstorms 2, gales 1.

50-yr average number of days with rain during month 6.3